DEVICE

Inventor's Name: ARITAKE

Application No.: NEW APPLICATION

Docket No.: 025720-00009

Fig. 1A PRIOR ART

## **WAVELENGTH FILTER 100**

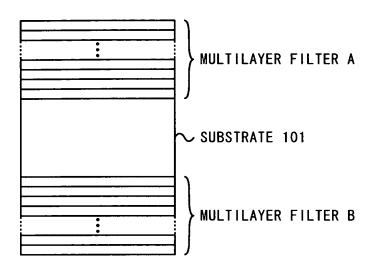


Fig. 1B PRIOR ART Fig. 1C PRIOR ART

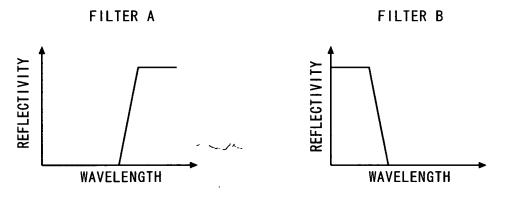
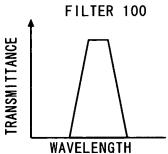


Fig. 1D PRIOR ART



THE WALLEHOTH FILTER, VARIABLE WAVELENGTH FILTER, AND OPTICAL

**DEVICE** 

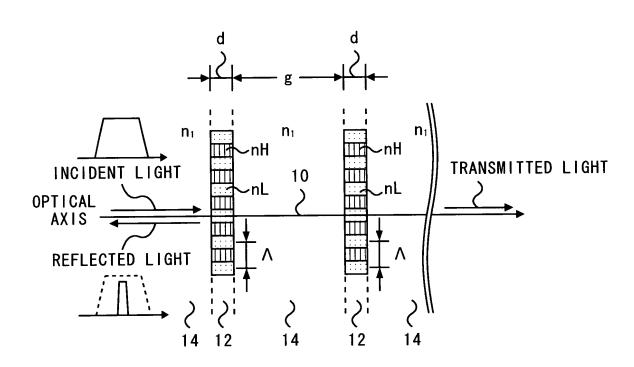
Inventor's Name: ARITAKE

Application No.: NEW APPLICATION Docket No.: 025720-00009

Fig. 2

**UNNECESSARY LIGHT WAVELENGTH FLTER** INCIDENT LIGHT **OUTPUT LIGHT** OPTICAL WAVEGUIDE PATH END SURFACE DISTANCE

Fig.



IIII: HIGH REFRACTIVE INDEX REGION 12a

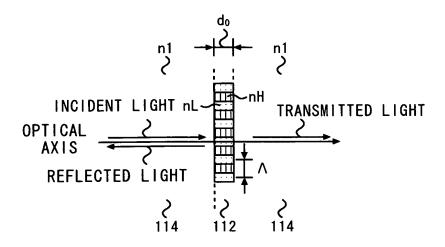
WAVELENGTH FILTER, AND OPTICAL DEVICE

Inventor's Name: ARITAKE

Application No.: NEW APPLICATION

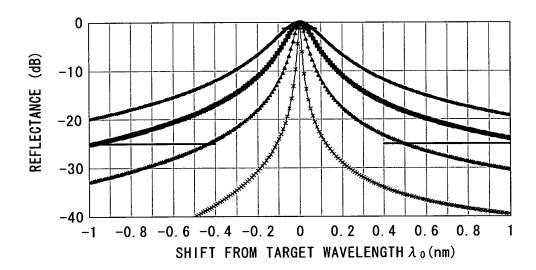
Docket No.: 025720-00009

Fig. 3A



:HIGH REFRACTIVE INDEX REGION 12a :LOW REFRACTIVE INDEX REGION 12b

Fig. 3B

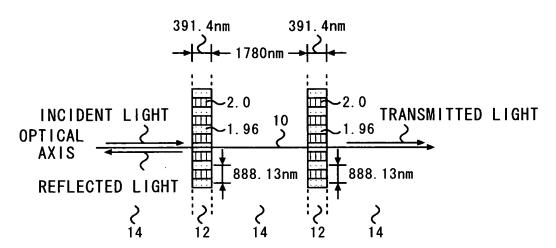


DEVICE

Inventor's Name: ARITAKE

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Fig. 5A

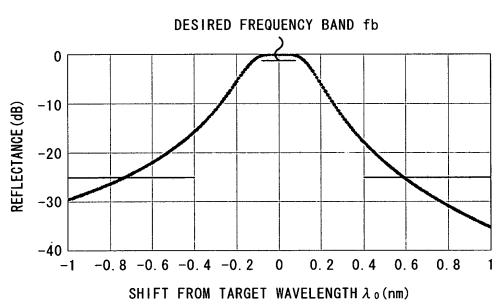


IIII: HIGH REFRACTIVE INDEX REGION 12a

:LOW REFRACTIVE INDEX REGION 12b

 $\lambda_0$ : 1550  $\mu$  m

Fig. 5B

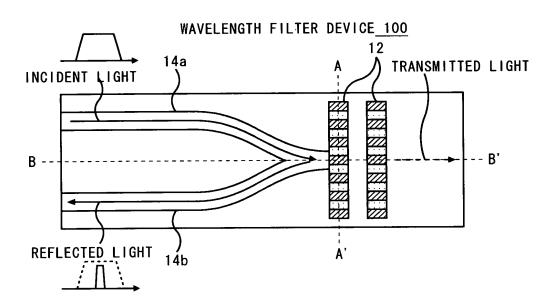


WAVELENGTH FILTER, AND OPTICAL DEVICE

Inventor's Name: ARITAKE

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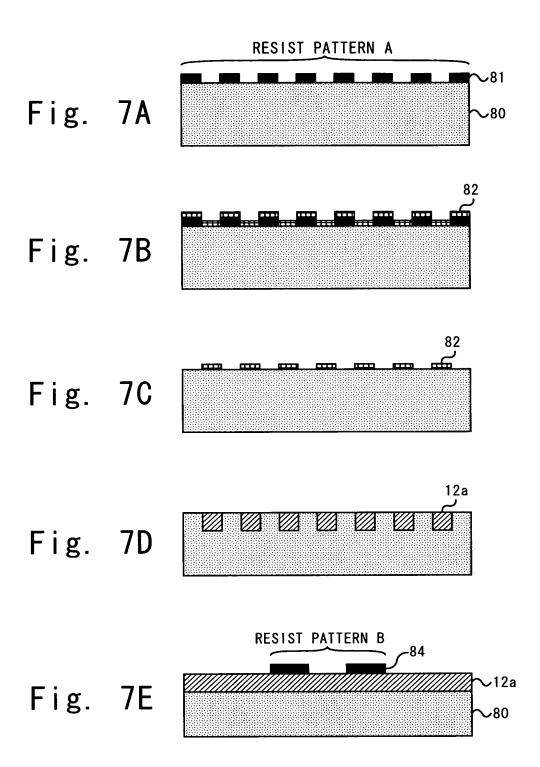
Fig. 6



DEVICE

Inventor's Name: ARITAKE

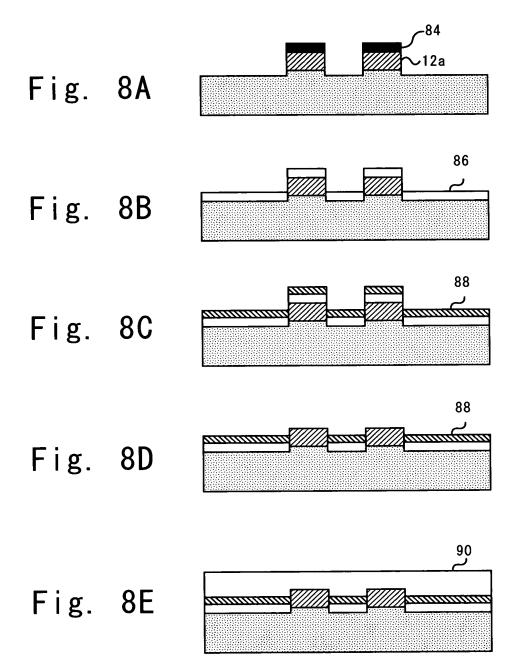
Application No.: NEW APPLICATION



DEVICE

Inventor's Name: ARITAKE

Application No.: NEW APPLICATION

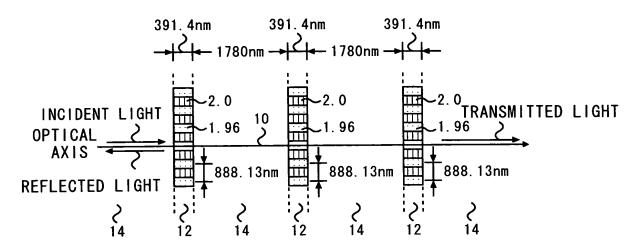


DEVICE

Inventor's Name: ARITAKE Application No.: NEW APPLICATION

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## Fig. 9A

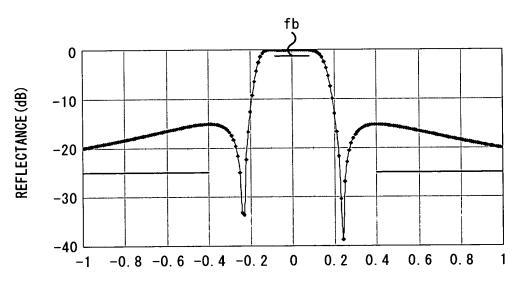


:HIGH REFRACTIVE INDEX REGION 12a

:LOW REFRACTIVE INDEX REGION 12b

 $\lambda_0$ : 1550  $\mu$  m

Fig. 9B



SHIFT FROM TARGET WAVELENGTH λ o (nm)

DEVICE

Inventor's Name: ARITAKE

Application No.: NEW APPLICATION

Fig. 10

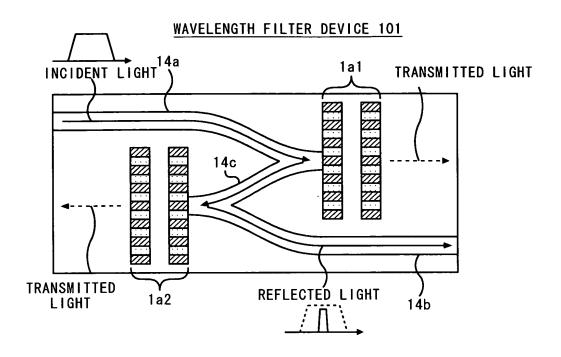
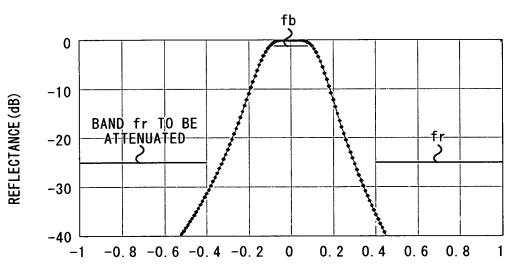


Fig. 11



SHIFT FROM TARGET WAVELENGTH  $\lambda_0$  (nm)

Title: WAVELENGTH FILTER, VARIABLE WAVELENGTH FILTER, AND OPTICAL

DEVICE

Inventor's Name: ARITAKE

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Fig. 12

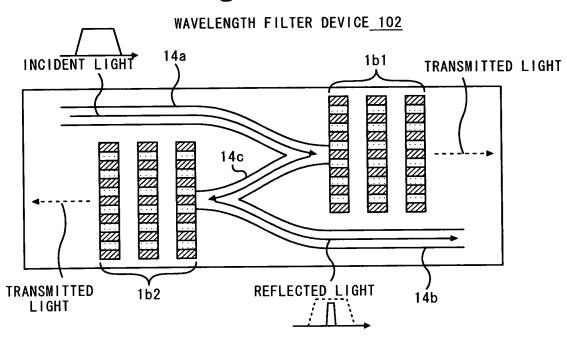
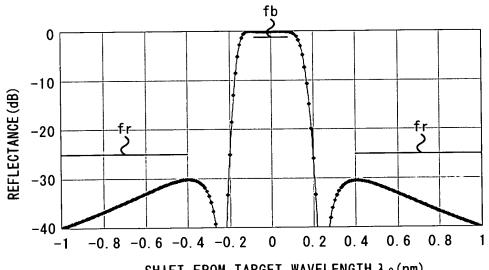


Fig. 13



SHIFT FROM TARGET WAVELENGTH  $\lambda_0$  (nm)

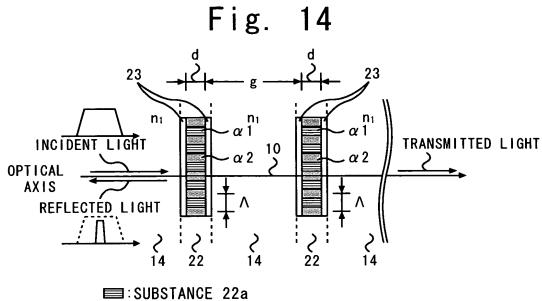
WAVELENGTH FILTER, VARIABLE WAVELENGTH FILTER, AND OPTICAL

**DEVICE** 

Inventor's Name: ARITAKE

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SUBSTANCE 22a

Fig. 15

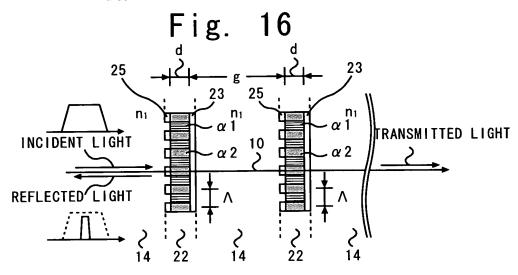
## INCIDENT LIGHT REFLECTED LIGHT 22 TRANSMITTED LIGHT REFLECTED LIGHT 24 24 24

DEVICE

Inventor's Name: ARITAKE

Application No.: NEW APPLICATION

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SUBSTANCE 22a :: SUBSTANCE 22b

Fig. 17

INCIDENT LIGHT

REFLECTED LIGHT

22

TRANSMITTED LIGHT

22

24